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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/645,613	08/25/2000	Jung Min Song	24286/81551	4585

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EXAMINER

KE, PENG

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 08/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/645,613

Applicant(s)

SONG ET AL.

Examiner

Peng Ke

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 30-49 and 54-57 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 30-49, and 54-57 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

This action is responsive to communications: Amendment, filed on 6/9/06.

This action is final.

Claims 30-49, and 54-57 are pending in this application. Claims 30, 34, 38, 42, and 46 are independent claims. In the Amendment, filed on 6/9/06, claims 30, 34, 38, 42, 46, 54, and 55 were amended.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 30-49 and 54-57 are rejected under 35 U.S.C. 102(e) as being anticipated by Hoffberg US 6,400,996.

As per claim 30, Hoffberg teaches an apparatus for processing multimedia data, the apparatus comprising:

a memory; (col. 73, lines 30-55) and

a processor configured to perform operations comprising:

generating segment group information in a data structure describing multimedia data the segment group information defining a segment group that includes a plurality of segments selected from a multimedia stream, (column 77, lines 60-column 78, lines 40)

wherein said segment group information specifies a group type and a duration for said segment group, and wherein the segment group information includes segment order information defining that two or more segments within the segment group are unordered relative to each other according to a time sequence; (column 93, lines 8-35) and

storing the data structure with the segment group information in the memory. (col. 73, lines 30-55)

As per claim 31, Hoffberg teaches the apparatus of claim 30. Hoffberg further teaches wherein said segment group information includes a level information. (column 75, lines 30-42)

As per claim 32, Hoffberg teaches the apparatus of claim 31, wherein said level information defines multiple levels. (column 75, lines 30-42)

As per claim 33, Hoffberg teaches the apparatus of claim 30, wherein each segment contained in the plurality of segments has a start time and an end time. (column 93, lines 8-35)

As per claim 34, Hoffberg teaches a method ,for processing multimedia data, the method comprising:

generating segment group information for a data structure describing multimedia data; (column 77, lines 60-column 78, lines 40) and

transmitting said segment group information to a client, wherein said segment group information:

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defines a segment group that includes a plurality of segments selected from a multimedia stream specifies a group type and a duration for said segment group; (column 75, lines 30-42)and

includes segment order information defining that two or more segments within the segment group are unordered relative to each other according to a time sequence. (column 93, lines 8-35)

As per claims 35-37, they are of the same scope as claims 31-33. Supra.

As per claims 38-41, they are of the same scope as claims 30-33. Supra.

As per claim 42, it is rejected with the same rationale as claim 34. Supra.

As per claims 43-45, they are of the same scope as claim 31-33. Supra.

As per claims 46-49, they are of the same scope as claim 30-33. Supra.

As per claim 54, Hoffberg teaches the apparatus of claim 30. Hoffberg further teaches wherein the group type indicates specifies that the segment group is related to at least two objects represented in the content of the multimedia stream. (column 92, lines 65-column 93, lines 35, column 103, lines 1-20)

As per claim 55, Hoffberg teaches the apparatus of claim 54. Hoffberg further teaches wherein the segment group includes segments representing relation changes between the at least two objects, and the segment order information defines that the segments representing relation

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changes are ordered relative to each other according to a time sequence defined by subsequent events. (column 77, lines 60-column 78, lines 40)

As per claim 56, Hoffberg teaches the apparatus of claim 55. Hoffberg further teaches wherein the segment group information indicates that the segment group includes segments that represent highlights from the multimedia stream. (column 145, lines 45-60)

As per claim 57, Hoffberg teaches the apparatus of claim 54. Hoffberg further teaches wherein the two or more unordered segments within the segment group include segments representing constant relations between the at least two objects. (column 92, lines 65-column 93, lines 35, column 103, lines 1-20)

Response To Argument

Applicant's arguments with respect to claims 30-49 and 54-57 have been considered but are deemed to be moot in view of the new grounds of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peng Ke whose telephone number is (571) 272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Peng Ke

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